

FIG. 3

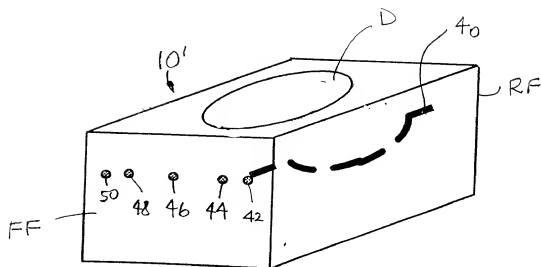
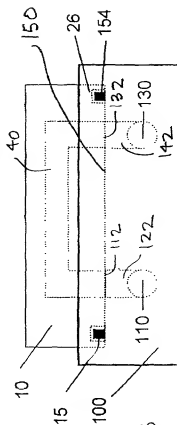
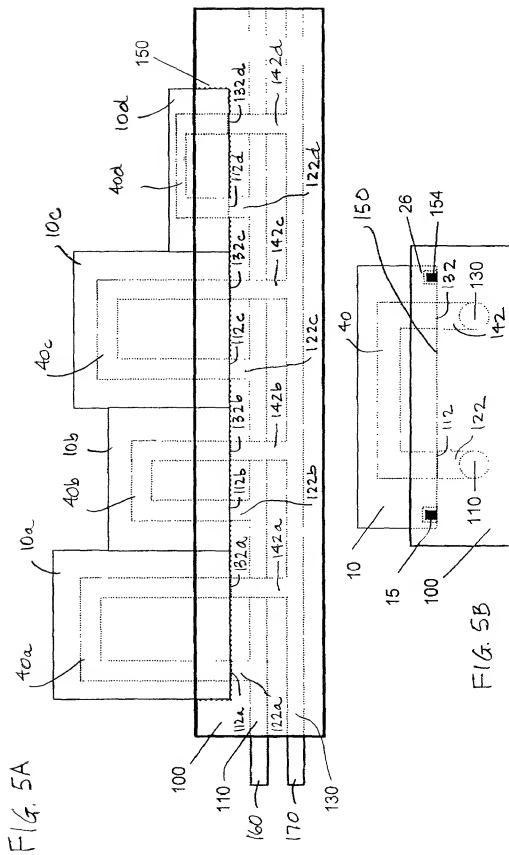


FIG. 4



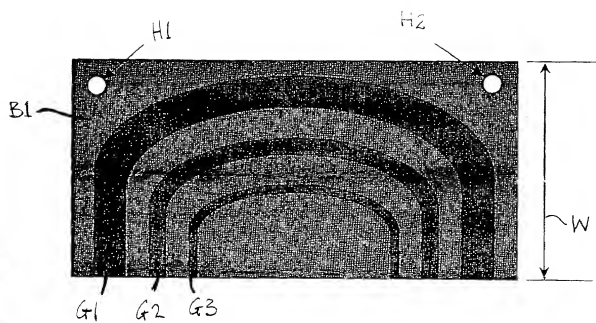


FIG. 6A

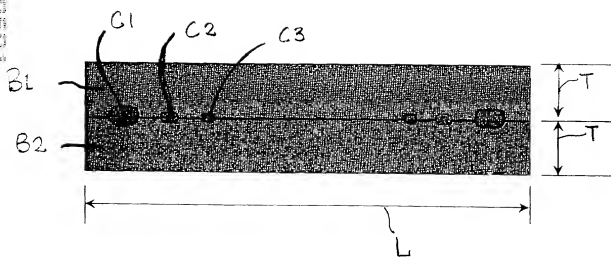


FIG. 6B

BOND STRENGTH

Bond Pressure, ksi	% Deformation	Heat Treated	Hardness, Rc	Strength, ksi
0.75	0.13	N	28	53
0.75	0.13	Y	54	45
1.5	1.5	N	30	143
1.5	1.5	Y	46	189
3.0	15.1	N	28	158
3.0	15.1	Y	46	219

S7 Strength:

Annealed = 93 ksi

Heat Treated = 300 ksi

S7 Hardness = 50 Rc

FIG. 7

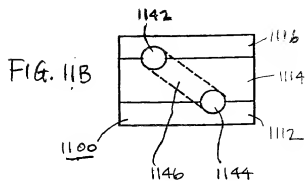
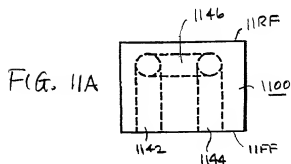
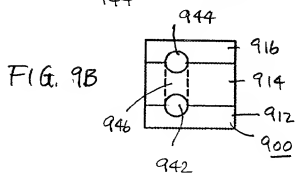
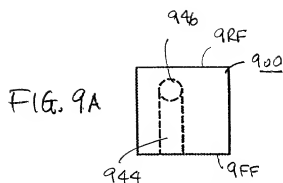
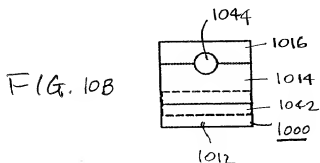
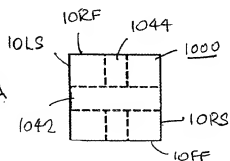
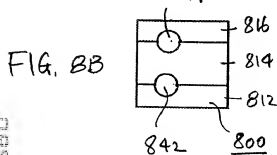
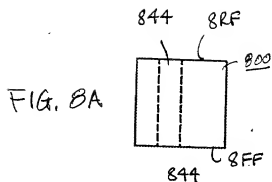


FIG. 12A

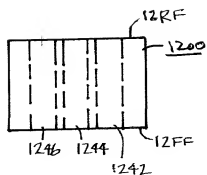


FIG. 12B

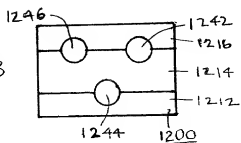


FIG. 14A

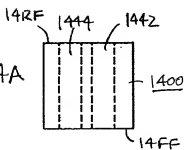


FIG. 14B

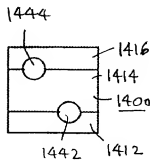


FIG. 13A

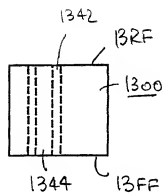


FIG. 13B

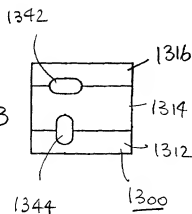


FIG. 15A

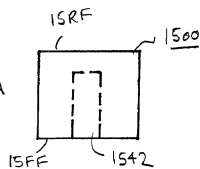


FIG. 15B

